

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/587,925  
Source: IFWP  
Date Processed by STIC: 8/10/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 08/10/2006

PATENT APPLICATION: US/10/587,925

TIME: 09:48:51

Input Set : A:\07039-501US1.txt

Output Set : N:\CRF4\08102006\J587925.raw

```

4 <110> APPLICANT: Wettstein, Peter J.
5      Strausbauch, Mike
6      Hardin, Heather
7      Borson, Nancy
9 <120> TITLE OF INVENTION: COMPLEXED POLYPEPTIDE AND ADJUVANT FOR
10     IMPROVED VACCINES
12 <130> FILE REFERENCE: 07039-501US1
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/587,925
C--> 14 <141> CURRENT FILING DATE: 2006-08-02
14 <150> PRIOR APPLICATION NUMBER: PCT/US2005/003754
15 <151> PRIOR FILING DATE: 2005-02-04
17 <150> PRIOR APPLICATION NUMBER: US 60/542,371
18 <151> PRIOR FILING DATE: 2004-02-06
20 <160> NUMBER OF SEQ ID NOS: 24
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 6
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Synthetically generated peptide
32 <400> SEQUENCE: 1
33 Lys Cys Ser Arg Asn Arg
34 1          5
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 6
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Synthetically generated peptide
45 <400> SEQUENCE: 2
46 Ala Cys Ser Ala Asn Ala
47 1          5
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 6
52 <212> TYPE: PRT
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Synthetically generated peptide
58 <400> SEQUENCE: 3
59 Arg Lys Lys Arg Arg Gln
60 1          5
63 <210> SEQ ID NO: 4

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64 <211> LENGTH: 9
65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 4
69 Ala Ala Gly Ile Gly Ile Leu Thr Val
70 1 5
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 8
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
79 <400> SEQUENCE: 5
80 Lys Thr Trp Gln Tyr Trp Gln Val
81 1 5
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 8
86 <212> TYPE: PRT
87 <213> ORGANISM: Influenza virus
90 <400> SEQUENCE: 6
91 Gly Ile Leu Gly Phe Val Phe Thr
92 1 5
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 6
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Synthetically generated peptide
103 <400> SEQUENCE: 7
104 Ala Ala Ser Ala Asn Ala
105 1 5
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 6
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Consensus motif
117 <400> SEQUENCE: 8
118 rrcgyy
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 9
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Synthetically generated peptide
129 <400> SEQUENCE: 9
130 Trp Met His His Asn Met Asp Leu Ile
131 1 5
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 9
136 <212> TYPE: PRT

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137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Synthetically generated peptide
142 <400> SEQUENCE: 10
143 Lys Cys Ser Arg Asn Arg Gln Tyr Leu
144 1 5
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 6
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Synthetically generated peptide
155 <400> SEQUENCE: 11
156 Lys Ala Ser Arg Asn Arg
157 1 5
160 <210> SEQ ID NO: 12
161 <211> LENGTH: 44
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 12
166 Ile Val Ser Ala Val Val Gly Ile Leu Leu Val Val Val Leu Gly Val
167 1 5 10 15
168 Val Phe Gly Ile Leu Ile Lys Arg Arg Gln Gln Lys Ile Arg Lys Tyr
169 20 25 30
170 Thr Met Arg Arg Leu Leu Gln Glu Thr Glu Leu Val
171 35 40
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 29
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 13
180 Ala Ala Gly Ile Gly Ile Leu Thr Val Ile Leu Gly Val Leu Leu Leu
181 1 5 10 15
182 Ile Gly Cys Trp Tyr Cys Arg Arg Arg Asn Gly Tyr Arg
183 20 25
186 <210> SEQ ID NO: 14
187 <211> LENGTH: 42
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 14
192 Phe Leu Thr Pro Lys Lys Leu Gln Cys Val Asp Leu His Val Ile Ser
193 1 5 10 15
194 Asn Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe Met
195 20 25 30
196 Leu Cys Ala Gly Arg Trp Thr Gly Gly Lys
197 35 40
200 <210> SEQ ID NO: 15
201 <211> LENGTH: 31
202 <212> TYPE: PRT

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203 <213> ORGANISM: Adenovirus  
 205 <400> SEQUENCE: 15  
 206 Leu Ile Val Ile Gly Ile Leu Ile Leu Ser Val Ile Leu Tyr Phe Ile  
 207 1 5 10 15  
 208 Phe Cys Arg Gln Ile Pro Asn Val His Arg Asn Ser Lys Arg Arg  
 209 20 25 30  
 212 <210> SEQ ID NO: 16  
 213 <211> LENGTH: 20  
 214 <212> TYPE: DNA  
 215 <213> ORGANISM: Artificial Sequence  
 217 <220> FEATURE:  
 218 <223> OTHER INFORMATION: Primer  
 220 <400> SEQUENCE: 16  
 221 tccatgacgt tcctgacgtt 20  
 223 <210> SEQ ID NO: 17  
 224 <211> LENGTH: 9  
 225 <212> TYPE: PRT  
 226 <213> ORGANISM: Influenza virus  
 229 <400> SEQUENCE: 17  
 230 Gly Ile Leu Gly Phe Val Phe Thr Leu  
 231 1 5  
 234 <210> SEQ ID NO: 18  
 235 <211> LENGTH: 21  
 236 <212> TYPE: PRT  
 237 <213> ORGANISM: Artificial Sequence  
 239 <220> FEATURE:  
 240 <223> OTHER INFORMATION: Synthetically generated peptide  
 242 <400> SEQUENCE: 18  
 243 Ala Cys Ser Ala Asn Ala Trp Met His His Asn Met Asp Leu Ile Ala  
 244 1 5 10 15  
 245 Asn Ala Ser Cys Ala  
 246 20  
 249 <210> SEQ ID NO: 19  
 250 <211> LENGTH: 8  
 251 <212> TYPE: PRT  
 252 <213> ORGANISM: Artificial Sequence  
 254 <220> FEATURE:  
 255 <223> OTHER INFORMATION: Synthetically generated peptide  
 257 <400> SEQUENCE: 19  
 258 Leu Thr Phe Asn Tyr Arg Asn Leu  
 259 1 5  
 262 <210> SEQ ID NO: 20  
 263 <211> LENGTH: 15  
 264 <212> TYPE: PRT  
 265 <213> ORGANISM: Artificial Sequence  
 267 <220> FEATURE:  
 268 <223> OTHER INFORMATION: Synthetically generated peptide  
 270 <400> SEQUENCE: 20  
 271 Lys Cys Ser Arg Asn Arg Trp Met His His Asn Met Asp Leu Ile

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272 1          5          10          15
275 <210> SEQ ID NO: 21
276 <211> LENGTH: 15
277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Synthetically generated peptide
283 <400> SEQUENCE: 21
284 Arg Lys Lys Arg Arg Gln Trp Met His His Asn Met Asp Leu Ile
285 1          5          10          15
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 15
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Synthetically generated peptide
296 <400> SEQUENCE: 22
297 Lys Ala Ser Arg Asn Arg Trp Met His His Asn Met Asp Leu Ile
298 1          5          10          15
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 15
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Synthetically generated peptide
309 <400> SEQUENCE: 23
310 Ala Cys Ser Ala Asn Ala Trp Met His His Asn Met Asp Leu Ile
311 1          5          10          15
314 <210> SEQ ID NO: 24
315 <211> LENGTH: 15
316 <212> TYPE: PRT
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Synthetically generated peptide
322 <400> SEQUENCE: 24
323 Ala Ala Ser Ala Asn Ala Trp Met His His Asn Met Asp Leu Ile
324 1          5          10          15

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VERIFICATION SUMMARY

DATE: 08/10/2006

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TIME: 09:48:52

Input Set : A:\07039-501US1.txt

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date